SUSHANTH DU

Software Developer   sushanthacharya29@gmail.com
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PROFESSIONAL SUMMARY

Results-driven Software Developer with **2 years of experience** in designing, developing, and maintaining scalable applications using **C#, ASP.NET, VB.NET, ReactJS, and React Native**. Skilled in the full software development lifecycle, debugging, performance optimization, and delivering efficient, customer-focused solutions. Strong collaborator passionate about solving problems and driving innovation..

SKILLS SUMMARY

Programming Languages	: C#, VB.NET, HTML, CSS, SQL, JavaScript
Frontend Technologies	: ReactJS , React Native, ASP.NET, WPF
UI/UX & Styling:	: Responsive Design, TailwindCSS, Styled Components, Material UI
Database	: MySQL, SQL Server, Relational DBs
API & State Management	: API Integration, Redux, Context API, JWT
Backend Development	: ASP.NET, Web Forms, ADO.NET , Web API, LINQ, REST/SOAP APIs
Tools	: Postman, VS Code, Git , Expo , CI/CD Pipelines
Soft Skills	: Analytical Skills, Problem-Solving, Debugging, Leadership, Time Management

EXPERIENCE

RDL Technology Pvt.Ltd   *Mangalore*
Software developer   *October 2023-Present*

- Developed and maintained **web, Mobile, and desktop applications** using **C#, ASP.NET MVC, ReactJS, React Native JavaScript, Node.js, MySQL, SQL Server, HTML, and CSS**, delivering scalable and high-performing solutions.
- Designed **real-time dashboards and interactive visualizations** for monitoring energy consumption, manufacturing operations, and inventory management, enhancing operational efficiency and decision-making.
- Implemented **automated reports, alert notifications, and role-based access controls**, ensuring secure, accurate, and actionable data for stakeholders.
- Built **backend APIs and integrated frontend interfaces**, ensuring seamless communication between client-side and server-side components for responsive and interactive applications.
- Optimized **database performance** with SQL/MySQL query tuning and efficient data management strategies, supporting large datasets and high-volume transactions.
- Applied **Git and GitHub for version control**, enabling collaborative development, efficient code management, and adherence to Agile methodologies.
- Focused on **user-centric design and system optimization**, improving application usability, performance, and reliability across multiple domains, including energy monitoring, inventory control, and smart manufacturing.
- Demonstrated strong skills in **full-stack development, debugging, problem-solving, and delivering robust solutions** aligned with business requirements.

RDL Technology Pvt.Ltd   *Mangalore*
Intern   *Jul 2023 – Oct 2023*

- Assisted in the **design, prototyping, and development of HMI screen applications**, gaining hands-on experience with real-time data handling and user interface optimization.
- Supported the development and enhancement of **RFID-based solutions and barcode software**, contributing to automated tracking and data management systems.
- Collaborated with senior developers to troubleshoot, debug, and optimize **web-based inventory and management modules**, improving system reliability and performance.
- Built **backend APIs and integrated frontend interfaces**, ensuring seamless communication between client-side and server-side components for responsive and interactive applications.
- Participated in **requirement analysis, system design, and testing**, ensuring seamless integration across software components.
- Applied **Git and GitHub for version control**, enabling collaborative development, efficient code management, and adherence to Agile methodologies.
- Gained practical experience with **C#, VB.NET, ASP.NET, ReactJS, SQL/MySQL, and Git**, building a strong foundation in full-stack application development and version control practices.

QSpider *Bangalore*
Training & Internship *Aug 2022 – Sep 2022*

- Applied theoretical knowledge to real-world scenarios through coding exercises and hands-on projects, gaining practical development expertise.

PROJECTS

Energy Management System
Technologies: ReactJS, JavaScript, Node.js, Git
Developed a comprehensive web-based Energy Management System aimed at monitoring and optimizing energy consumption across multiple facilities. Implemented **real-time interactive dashboards** with graphical representations of energy usage, automated periodic reports, and **alert notifications** for threshold breaches. Built efficient backend APIs using **Node.js** to ensure seamless communication between frontend and server, delivering a responsive and user-friendly interface for data visualization and control.

Inventory Management System
Technologies C#, ASP.NET MVC, SQL Server, JavaScript, HTML, CSS, Git
Designed and developed a **scalable inventory management solution** to streamline stock control, product lifecycle tracking, and order processing. Integrated features such as **barcode-based product entry**, supplier and warehouse management, and real-time stock level updates to enhance operational efficiency. Implemented **secure role-based access control** and dynamic analytical dashboards, enabling informed decision-making through real-time data insights.

Shopfloor 4.0 (Smart Manufacturing System)
Technologies: C#, MySQL, ReactJS, NodeJS, Git
Designed and implemented a smart manufacturing solution to digitalize and optimize shop floor operations.Developed HMI dashboards to monitor machine health, job scheduling, and production progress in real-time. Integrated IoT-enabled data collection modules for predictive maintenance, operator logs, checklists, and skill matrices, improving operational efficiency, compliance, and workforce management. Ensured system scalability and robust data flow between devices, backend, and user interfaces.

Attendance Management System
Technologies: React Native, JavaScript, MySQL, SQL, Git, Expo
Developed a cross-platform mobile application to streamline attendance tracking and reporting. Implemented secure login, real-time attendance marking, and dynamic dashboards for faculty and students. Integrated database synchronization for offline and online modes, ensuring data accuracy and accessibility. Enhanced user experience with intuitive UI, efficient APIs, and seamless performance across devices.

Operator Tab Software
Technologies: React Native, JavaScript, MySQL, SQL, Git, Expo
Developed a tablet-based application for shop floor operators to manage daily production activities efficiently. Integrated modules for job cards, machine planning, operator logs, skill matrix, checklists, and alert notifications to ensure smooth workflow and compliance. Enabled real-time data entry and monitoring, improving accuracy in production tracking and workforce performance. Designed with a user-friendly interface for seamless operation, even in industrial environments.

EDUCATION

VTU, Canara Engineering College *Mangalore, Karnataka*
B.E., Information Science and Engineering *August 2019 - July 2023*

PUC, S.V.S. Pre University College *Bantwal, Karnataka*
PCMC *August 2017 – March-2019*

SSLC, S.V.S Temple English Medium School *Bantwal, Karnataka*
May 2017

CERTIFICATION

- Microsoft Azure: Azure Fundamentals | May 2023
- Architecting with Google Compute Engine | September 2022